

MICHIGAN SUPERFUND SITE COOPERATIVE AGREEMENT
QUARTERLY PROGRESS REPORT
STATE LEAD SITE

EPA Region 5 Records Ctr.



274097

Reporting Period: FY94, Q1

Site name: North Bronson Industrial Area CA #: V005934-01

Activity: RI/FS

Budget period ends: 6/30/94

WORK ACCOMPLISHED DURING REPORTING PERIOD FOR THIS SITE AND ACTIVITY:
(PROBLEMS AND DELAYS ENCOUNTERED THIS PERIOD, CORRECTIVE MEASURES TAKEN OR
PLANNED) IDENTIFY BY TASK NAME AND NUMBER:

Task 5: Phase II Site Investigation

This task has been completed.

Task 6: Community Relations

Minimal CR activity occurred during this period.

Task 7: Remedial Investigation Report

The RI Report has been completed and approved by the agencies.

Task 8: Baseline Risk Assessment

The Baseline RA has been completed and provided to the agencies.

Task 9: Develop Remedial Alternatives

MDNR and Warzyn discussions were ongoing about potential remedial alternatives for this site. Warzyn conducting a preliminary screening and review of potential technologies for use at this site. Warzyn is developing an alternatives array document addressing potential alternatives.

Task 10: FS Report

State contractor continued feasibility study preparation this period. However, the scope has now been formally limited per direction of EPA.

PERCENTAGE OF ACTIVITY SCHEDULED TO BE COMPLETED: 95%

PERCENTAGE OF ACTIVITY ACTUALLY COMPLETED: 72%

EXPLANATION OF SIGNIFICANT DIFFERENCE: As described in previous reports, the completion of the RI/FS for this site has been delayed for a number of reasons. The schedule for completion is being revised and will be provided as soon as it is finalized.

FOR EACH OF THE ABOVE TASKS WHICH WAS ONGOING THIS PERIOD, IDENTIFY THE FOLLOWING: TASK NAME AND BUDGETED AMOUNT: Note: Includes both state costs and contractual costs (thru Invoice #91)

Task 6: Community Relations - \$15,000

Task 9: Develop Remedial Alternatives - \$90,000

Task 10: Feasibility Study Report - \$140,000

ESTIMATED EXPENDITURES THIS QUARTER:

Task 6: \$ 50
Task 9: \$10,450
Task 10: \$ 1,500

ESTIMATED EXPENDITURES TO DATE:

Task 6: \$ 4,600
Task 9: \$ 34,450
Task 10: \$ 11,600

PLANNED EXPENDITURES TO DATE:

Task 6: \$ 15,000
Task 9: \$ 90,000
Task 10: \$100,000

EXPLANATION OF SIGNIFICANT DIFFERENCES: The MDNR recognizes that both the budget expenditures and schedule are out of compliance with those currently approved in the Cooperative Agreement. The schedule and project budget is being re-evaluated and will be revised with the application for an amendment.

TOTAL FUNDING FOR THIS ACTIVITY: \$1,400,000
ESTIMATED EXPENDITURES THIS QUARTER: \$11,950
ESTIMATED EXPENDITURES TO DATE FOR THIS ACTIVITY (RI/FS): \$1,015,890
TIME AND FUNDS REMAINING (BALANCE): \$384,110
ESTIMATED TIME AND FUNDS NEEDED TO COMPLETE REQUIRED WORK: 18 months, \$425,000

EXPLANATION OF ANY SIGNIFICANT DISCREPANCY/JUSTIFICATION FOR INCREASE: It is our position that in order to complete this project through the Record of Decision and Post-ROD period, an additional \$40,000 will be necessary. An amendment will be submitted to the EPA in the near future as soon as a revised budget and scheduled can be agreed upon with the state contractor.

Prepared by

Brady W. Boyce
(Project Manager)

Date

2-14-94

Approved by

George Carpenter Acting
(Supervisor)

Date

2/15/94



January 28, 1994

Mr. Brady Boyce
Michigan Department of Natural Resources
P.O. Box 30028
Lansing, Michigan 48909

Re: N. Bronson Industrial Area RI/FS

Dear Mr. Boyce:

Enclosed is the Monthly Status Report for October through December 1993.

As always, if you have any questions, please call me at (313) 344-0205.

Sincerely,

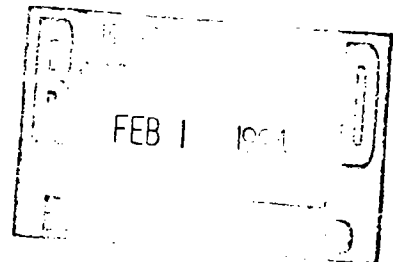
WARZYN INC.

Joel M. Kahaner, P.E.
Project Manager

Enclosure: As stated

cc: Mary Tierney, U.S. EPA (w/encl)

JMK/tid/BJH
[cmk-306p-98]
7005100/155-dt



THE PERFECT BALANCE
BETWEEN TECHNOLOGY
AND CREATIVITY

DETROIT
41551 ELEVEN MILE ROAD
P.O. BOX 8012
NOVI, MI 48376
(313) 344-0205
FAX (313) 344-0217



MONTHLY STATUS REPORT
North Bronson Industrial Area RI/FS
October through December

PROJECT NO.: 70051

FISCAL PERIOD: October 2, 1993 through December 31, 1993

PREPARED BY: Joel M. Kahaner, P.E.
Warzyn Inc.
Novi, Michigan

REPORT DATE: January 28, 1994

COPIES: Mr. Brady Boyce, MDNR
Ms. Mary Tierney, U.S. EPA

Activities Performed During this Period

- Technical issues concerning the U.S. EPA directed exclusion of groundwater remediation from the *FS* were discussed in a conference call with U.S. EPA and MDNR representatives on December 9, 1993. General agreement on approach was reached and will be confirmed in writing.
- Work continued on the Feasibility Study (FS) Alternatives Array Document.

Problem Areas Impacting Schedule

A planned review of the *FS* budget and schedule has been delayed pending resolution and the technical issues noted above.

Documents Submitted

- None

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AND CREATIVITY

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FAX: 313/440-0217



Upcoming Activities Planned For Next Month

- Commence re-estimating Feasibility Study budget and schedule.
- Confirm agreements reached during December 9, 1993 phone call.
- Continue preparation of remedial technologies and process options matrix for agency review based on preliminary agreements.

Key Personnel

Key personnel who have been active on this project include:

Joel M. Kahaner - Project Manager
Scott C. Shober - Environmental Engineer
Bryan J. Hughes - Engineering Manager
Support Personnel

Travel

- No travel occurred during this period.

Financial Status

Expenditures for fiscal period October through December 1993 totaled approximately \$10,000. A budget summary is provided below.

		Estimated Actual <u>To Date</u>	Budget <u>Estimate</u>	<u>Status</u>
(1)	Phase I Field Effort	\$286,416	\$286,416	Complete
(2)	Phase I Tech Memo	25,957	25,957	Complete
(3)	Phase II Field Effort	222,701	436,211	Complete
(4)	RI Report	149,930	144,373	Complete
(5)	RI PM & QA	109,655	123,586	Complete
(6)	Baseline Risk Assessment	60,026	53,001	Complete
(7)	Feasibility Study	14,300	134,361	On-going
(8)	FS Project Management	5,100	38,015	On-going
(9)	Total Project	\$874,085	\$1,241,920	
(10)	Adj. for Est. Overrun	--	<u>(15,920)</u>	
(11)	Total Project Funding	--	\$1,226,000	



Notes:

- (1) Phase I totals include: Tasks 2.0, 3.1, 3.2, 4.1-4.9. Budget and actual expenses were balanced out to prepare the Phase II field work.
- (2) Phase I Technical Memorandum was prepared as agreed, as a draft document
- (3) Phase II Field Effort includes Tasks 5.1-5.9
- (4) RI Report includes Tasks 5.10, 6.0, 7.0
- (5) RI PM & QA is for entire project, including Phase I and II
- (6) Baseline Risk Assessment is Task 9.0
- (7) FS includes Tasks 10.0 -12.0
- (8) FS Project Management is Task 13.0
- (9) Estimated project cost-to-complete as reported in the Work Plan Addendum, September 23, 1992 showed an overrun of \$31,840. This is also shown on line 10, with adjustment, as appropriate.
- (10) Project Cost overrun/underrun situations are covered under Task 14.0
- (11) Project funding is \$1,226,000.

JMK/td/BJH
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MICHIGAN SUPERFUND SITE COOPERATIVE AGREEMENT
QUARTERLY PROGRESS REPORT
STATE LEAD SITE

Reporting Period: FY94, Q2

Site name: North Bronson Industrial Area CA #: V005934-01

Activity: RI/FS

Budget period ends: 6/30/94

WORK ACCOMPLISHED DURING REPORTING PERIOD FOR THIS SITE AND ACTIVITY:
(PROBLEMS AND DELAYS ENCOUNTERED THIS PERIOD, CORRECTIVE MEASURES TAKEN OR
PLANNED) **IDENTIFY BY TASK NAME AND NUMBER:**

Task 5: Phase II Site Investigation

This task has been completed.

Task 6: Community Relations

Minimal CR activity occurred during this period.

Task 7: Remedial Investigation Report

The RI Report has been completed and approved by the agencies.

Task 8: Baseline Risk Assessment

The Baseline RA has been completed and provided to the agencies.

Task 9: Develop Remedial Alternatives

MDNR and Warzyn continued discussions about potential remedial alternatives for this site. Warzyn completed a preliminary screening and review of potential technologies for use on various media at this site. Warzyn is completing a draft alternatives array document, based on the preliminary screening, which assesses potential alternatives for application at the site.

Task 10: FS Report

State contractor continued with work on the feasibility study during this period. The scope of the FS continued to be an item of discussion between the MDNR, Warzyn, and the EPA. Formalization of the scope of the FS will occur upon completion of discussions about the limitations and implications of the scope as proposed. This should occur during the next quarter.

PERCENTAGE OF **ACTIVITY SCHEDULED** TO BE COMPLETED: 95%

PERCENTAGE OF ACTIVITY ACTUALLY COMPLETED: 75%

EXPLANATION OF SIGNIFICANT DIFFERENCE: As described in previous reports, the completion of the RI/FS for this site has been delayed for a variety of reasons. The schedule for completion is being revised and will be provided as soon as it is finalized.

FOR EACH OF ~~THE~~ ABOVE TASKS WHICH WAS ONGOING THIS PERIOD, IDENTIFY THE FOLLOWING: TASK NAME AND BUDGETED AMOUNT:

Task 6: Community Relations - \$15,000
Task 9: Develop Remedial Alternatives - \$90,000
Task 10: Feasibility Study Report - \$140,000

ESTIMATED EXPENDITURES THIS QUARTER: Note: Includes both state costs and contractual costs (thru Invoice #91)

Note: The previous report did not include costs for Invoices #87 & #88, which are now included.

Task 6: \$ 20
Task 9: \$ 8,650
Task 10: \$ 6,500

ESTIMATED EXPENDITURES TO DATE:

Task 6: \$ 4,620
Task 9: \$ 43,100
Task 10: \$ 18,100

PLANNED EXPENDITURES TO DATE:

Task 6: \$ 15,000
Task 9: \$ 90,000
Task 10: \$110,000

EXPLANATION OF SIGNIFICANT DIFFERENCES: The MDNR recognizes that both the budget expenditures and schedule are out of compliance with those currently approved in the Cooperative Agreement. The schedule and project budget is being re-evaluated and will be revised with the application for an amendment.

TOTAL FUNDING FOR THIS ACTIVITY: \$1,400,000

ESTIMATED EXPENDITURES THIS QUARTER: \$15,170

ESTIMATED EXPENDITURES TO DATE FOR THIS ACTIVITY (RI/FS): \$1,031,060

TIME AND FUNDS REMAINING (BALANCE): 3 months; \$368,940

ESTIMATED TIME AND FUNDS NEEDED TO COMPLETE REQUIRED WORK: 15 months, \$410,000

EXPLANATION OF ANY SIGNIFICANT DISCREPANCY/JUSTIFICATION FOR INCREASE: In order to complete this project through the Record of Decision and Post-ROD period, an additional \$40,000 will be necessary. An amendment will be submitted to the EPA as soon as a revised budget and schedule can be developed based upon a finalized scope of work for the Feasibility Study.

NOTE: CONTRACTOR REPORT ATTACHED

Prepared by Brady Boye Date 4-27-94
(Project Manager)
Approved by George Ayers Date 6/2/94
(Supervisor)

Mary T.

QUARTERLY REPORT RESPONSE FORM

Attached are the Quarterly Progress Reports for the Michigan sites for which you are assigned. For each site, please review the Report(s) and then do the following on the form below:

1. Please, list the site name, the activity (RI/FS, RD, RA), and the CA#.
2. Either (a) check the box stating the Report is accurate and that you are accepting it, with or without comments; OR (b) check the box saying this report is not accurate and my comments are provided, and then provide those comments.
3. If appropriate, address quality and timeliness of the State's performance.
4. Sign your name on the signature line.
5. Return by Tuesday, June 14 to Rose Freeman--- HSM-9J.

SITE NAME

ACTIVITY

CA #

North Bronson

RI/FS

V005934-01

RPM RESPONSE

☐

This Report accurately reflects approved activities and represents reasonable cost expenditures, and is acceptable to me.

Comments:

P.S. Do they need to include the Warzyn progress report with their Gily report as well as having Warzyn send it separately? It seems like a waste of paper.

☒

This Report is not accurate and I have the following comments (or attached comments).

Rose — I don't get this report (as in understand it). My questions: 1) Under "estimated expend. this quarter," a note states that the costs include state costs + contractual costs thru invoice #91. What period does invoice #91 cover? What are the costs from #87 and #88 invoices? Can I assume the \$15,170 claimed in this Gily report is \$; 2) Warzyn's estimated costs are \$25,000 (as

RPM Signature

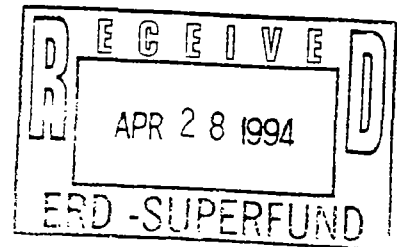
Mary Terney

Date

6/2/94

PLEASE KEEP THE ATTACHED COPY OF THE REPORT FOR YOUR FILES.

As stated on pg. 2 of their progress report. On pg. 3 only \$15,700 in costs are documented. What was the other \$9,300 spent on? The cost seems hi for the amt of work that was done. Mary Terney 6-4785



April 26, 1994

Mr. Brady Boyce
Michigan Department of Natural Resources
P.O. Box 30028
Lansing, Michigan 48909

Re: N. Bronson Industrial Area RI/FS

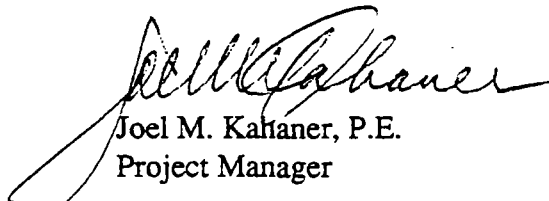
Dear Mr. Boyce:

Enclosed is the Monthly Status Report for January through March 1994.

As always, if you have any questions, please call me at (313) 344-0205.

Sincerely,

WARZYN INC.



Joel M. Kahaner, P.E.
Project Manager

Enclosure: As stated

cc: Mary Tierney, U.S. EPA (w/encl)

JMKAd/BJH
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THE PERFECT BALANCE
BETWEEN TECHNOLOGY
AND CREATIVITY

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44



MONTHLY STATUS REPORT
North Bronson Industrial Area RI/FS
January through March

PROJECT NO.: 70051

FISCAL PERIOD: January 1, 1994 through April 1, 1994

PREPARED BY: Joel M. Kahaner, P.E.
Warzyn Inc.
Novi, Michigan

REPORT DATE: April 25, 1994

COPIES: Mr. Brady Boyce, MDNR
Ms. Mary Tierney, U.S. EPA

Activities Performed During this Period

- Technical discussions continued with both U.S. EPA and MDNR regarding the focus of the *FS*. Issues included extent of remediation in County Drain #30, source control, and selection of remedial action objectives.
- Work has continued on the *FS Alternatives Array Document* in spite of not having full resolution of the above referenced issues.
- At the request of MDNR, Warzyn is estimating the cost to conduct limited sediment sampling in County Drain #30 and Swan Creek to obtain background levels and fill data gaps identified during technical discussions. Sampling would also be conducted in the vicinity of Bronson Plating to determine the extent of sludge remaining in the Eastern Lagoons.
- A project budget review was provided to MDNR and U.S. EPA, in accordance with the Work Plan. Sufficient funding appears to be available to conduct the proposed additional sampling.



Problem Areas Impacting Schedule

Issuance of the Alternatives Array has been delayed pending final resolution of technical issues noted above. In addition, MDNR has indicated a desire to incorporate the results of any supplemental sampling results into the FS.

Documents Submitted

- A project budget review was submitted in accordance with Work Plan requirements.

Upcoming Activities Planned For Next Month

- Submit estimate and schedule for conducting additional limited sampling in County Drain #30 and Swan Creek and by the Eastern Lagoons, near Bronson Plating.
- Resolve remaining technical issues and complete Alternatives Array Document.

Key Personnel

Key personnel who have been active on this project include:

Joel M. Kahaner - Project Manager
Scott C. Shober - Environmental Engineer
Bryan J. Hughes - Engineering Manager
Support Personnel

Travel

- No travel occurred during this period.

Financial Status

Expenditures for fiscal period January through March 1994 totaled approximately \$25,000. A budget summary is provided below.



		Estimated Actual <u>To Date</u>	Budget <u>Estimate</u>	<u>Status</u>
(1)	Phase I Field Effort	\$286,416	\$286,416	Complete
(2)	Phase I Tech Memo	25,957	25,957	Complete
(3)	Phase II Field Effort	222,701	436,211	Complete
(4)	RI Report	149,930	144,373	Complete
(5)	RI PM & QA	109,655	123,586	Complete
(6)	Baseline Risk Assessment	60,026	53,001	Complete
(7)	Feasibility Study	30,000	134,361	On-going
(8)	FS Project Management	5,100	38,015	On-going
(9)	Total Project	\$889,785	\$1,226,000	
(10)	Funding Remaining	--	\$ 336,215	

Notes:

- (1) Phase I totals include: Tasks 2.0, 3.1, 3.2, 4.1-4.9. Budget and actual expenses were balanced out to prepare the Phase II field work.
- (2) Phase I Technical Memorandum was prepared as agreed, as a draft document
- (3) Phase II Field Effort includes Tasks 5.1-5.9
- (4) RI Report includes Tasks 5.10, 6.0, 7.0
- (5) RI PM & QA is for entire project, including Phase I and II
- (6) Baseline Risk Assessment is Task 9.0
- (7) FS includes Tasks 10.0 -12.0
- (8) FS Project Management is Task 13.0
- (9) Project funding is \$1,226,000.

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**MICHIGAN SUPERFUND SITE COOPERATIVE AGREEMENT
QUARTERLY PROGRESS REPORT
STATE LEAD SITE**

Reporting Period: FY94, Q3

Site name: North Bronson Industrial Area CA #: V005934-01

Activity: RI/FS

Budget period ends: 6/30/94

**WORK ACCOMPLISHED DURING REPORTING PERIOD FOR THIS SITE AND ACTIVITY:
(PROBLEMS AND DELAYS ENCOUNTERED THIS PERIOD, CORRECTIVE MEASURES TAKEN OR
PLANNED) IDENTIFY BY TASK NAME AND NUMBER:**

Task 5: Phase II Site Investigation

This task has been completed.

Task 6: Community Relations

Minimal CR activity occurred during this period.

Task 7: Remedial Investigation Report

The RI Report has been completed and approved by the agencies.

Task 8: Baseline Risk Assessment

The Baseline RA has been completed and provided to the agencies.

Task 9: Develop Remedial Alternatives

MDNR and Warzyn continued discussions about potential remedial alternatives for this site. Warzyn is near completion of the draft Alternatives Array document, (Note: The AA document was completed on July 6 and provided to the agencies)

Task 10: FS Report

State contractor continued working on the Feasibility Study during this period. The scope of the FS continued to be an item of discussion between the MDNR, Warzyn, and the EPA. The scope of the FS was formalized based upon correspondence and discussions between MDNR, EPA, and Warzyn.

PERCENTAGE OF ACTIVITY SCHEDULED TO BE COMPLETED: 95%

PERCENTAGE OF ACTIVITY ACTUALLY COMPLETED: 80%

EXPLANATION OF SIGNIFICANT DIFFERENCE: As described in previous reports, the completion of the RI/FS for this site has been delayed for a variety of reasons. The schedule for completion is being revised and will be provided as soon as it is finalized. (Note: As per a Special Condition, MDNR provided the EPA RPM a revised project schedule on July 15. An amendment is being prepared for submittal to the EPA formalizing the revised schedule and rebudgeting tasks.)

Multi-Site Cooperative Agreement V005934 North Bronson Industrial Area

FOR EACH OF THE ABOVE TASKS WHICH WAS ONGOING THIS PERIOD, IDENTIFY THE FOLLOWING: TASK NAME AND BUDGETED AMOUNT:

Task 6: Community Relations - \$15,000
Task 9: Develop Remedial Alternatives - \$90,000
Task 10: Feasibility Study Report - \$140,000

ESTIMATED EXPENDITURES THIS QUARTER: Note: Includes both state costs and contractual costs (thru Invoice #92)

Task 6: \$ 60
Task 9: \$ 20,050
Task 10: \$ 26,000

ESTIMATED EXPENDITURES TO DATE:

Task 6: \$ 4,680
Task 9: \$ 63,150
Task 10: \$ 44,100

PLANNED EXPENDITURES TO DATE:

Task 6: \$ 15,000
Task 9: \$ 90,000
Task 10: \$110,000

EXPLANATION OF SIGNIFICANT DIFFERENCES: The MDNR recognizes that both the budget expenditures and schedule are out of compliance with those currently approved in the Cooperative Agreement. The schedule and task budgets have been re-evaluated and will be revised with the amendment which will be submitted early in Quarter 4.

TOTAL FUNDING FOR THIS ACTIVITY: \$1,400,000
ESTIMATED EXPENDITURES THIS QUARTER: \$46,110
ESTIMATED EXPENDITURES TO DATE FOR THIS ACTIVITY (RI/FS): \$1,077,170
TIME AND FUNDS REMAINING (BALANCE): 3 months; \$322,830
ESTIMATED TIME AND FUNDS NEEDED TO COMPLETE REQUIRED WORK: 22 months, \$362,000
EXPLANATION OF ANY SIGNIFICANT DISCREPANCY/JUSTIFICATION FOR INCREASE: In order to complete this project through the Record of Decision and Post-ROD period, an additional \$40,000 will be necessary. A request to extend the project period to 6/30/95 was submitted to the EPA in June. (Note: An amendment requesting additional funding and containing a revised schedule was in the process of being submitted as of July 22, 1994.)

CONTRACTOR REPORT ATTACHED

Prepared by Brady Boyer Date 7-22-94
(Project Manager)
Approved by George Argent Date 8/2/94
(Supervisor)



MONTHLY STATUS REPORT
North Bronson Industrial Area RI/FS
April through June

PROJECT NO.: 70051

FISCAL PERIOD: April 2, 1994 through July 1, 1994

PREPARED BY: Joel M. Kahaner, P.E.
Warzyn Inc.
Novi, Michigan

REPORT DATE: July 8, 1994

COPIES: Mr. Brady Boyce, MDNR
Ms. Rosita Clarke, U.S. EPA

Activities Performed During this Period

- Detailed discussions with both U.S. EPA and MDNR regarding the focus of the *FS*, including the extent of remediation in County Drain #30, source control, and selection of remedial action objectives were concluded.
- Work continued on the *FS Alternatives Array Document*. A draft was submitted for agency review on July 7, 1994.
- Warzyn estimated the cost to conduct limited sediment sampling in County Drain #30 and Swan Creek to obtain background levels and fill data gaps identified during technical discussions. Sampling was also suggested in the vicinity of Bronson Plating to determine the extent of sludge remaining in the Eastern Lagoons. It was decided not to conduct additional sampling at this time.

Problem Areas Impacting Schedule

- A revised draft schedule for completion of the FS was submitted.
- The Alternatives Array was delayed pending final resolution of issues referenced above.

Documents Submitted

- Draft Alternatives Array was submitted July 7, 1994.



Upcoming Activities Planned For Next Month

- Submit revised completion schedule for the FS.
- Continue efforts on alternatives analysis.

Key Personnel

Key personnel who have been active on this project include:

Joel M. Kahaner - Project Manager
Scott C. Shober - Environmental Engineer
Bryan J. Hughes - Engineering Manager
Support Personnel

Travel

- No travel occurred during this period.

Financial Status

Expenditures for fiscal period April through June 1994 totaled approximately \$10,600. A budget summary is provided below.

	Estimated Actual <u>To Date</u>	Budget <u>Estimate</u>	<u>Status</u>
(1) Phase I Field Effort	\$286,416	\$ 286,416	Complete
(2) Phase I Tech Memo	25,957	25,957	Complete
(3) Phase II Field Effort	222,701	436,211	Complete
(4) RI Report	149,930	144,373	Complete
(5) RI PM & QA	109,655	123,586	Complete
(6) Baseline Risk Assessment	60,026	53,001	Complete
(7) Feasibility Study	40,000	134,361	On-going
(8) FS Project Management	15,200	38,015	On-going
(9) Total Project	\$909,885	\$1,226,000	
(10) Funding Remaining		\$ 316,115	



Notes:

- (1) Phase I totals include : Tasks 2.1, 3.1, 3.2, 4.1-4.9. Budget and actual expenses were balanced out to prepare the Phase II field work.
- (2) Phase I Technical Memorandum was prepared as agreed, as a draft document.
- (3) Phase II Field Effort includes Tasks 5.1-5.9
- (4) RI Report includes Tasks 5.10, 6.0, 7.0
- (5) RI PM & QA is for entire project, including Phase I and II
- (6) Baseline Risk Assessment is Task 9.0
- (7) FS includes Tasks 10.0 - 12.0
- (8) FS Project Management is Task 13.0
- (9) Project funding is \$1,226,000.

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7005100/155



REVISED

REVISED 11/7/94

**MICHIGAN SUPERFUND SITE COOPERATIVE AGREEMENT
QUARTERLY PROGRESS REPORT
STATE LEAD SITE**

Reporting Period: FY94, Q3

**Site name: North Bronson Industrial Area
Activity: RI/FS**

**CA #: V005934-01
Budget period ends: 6/30/94**

**WORK ACCOMPLISHED DURING REPORTING PERIOD FOR THIS SITE AND ACTIVITY:
(PROBLEMS AND DELAYS ENCOUNTERED THIS PERIOD, CORRECTIVE MEASURES TAKEN OR
PLANNED) IDENTIFY BY TASK NAME AND NUMBER:**

Task 5: Phase II Site Investigation

This task has been completed.

Task 6: Community Relations

Minimal CR activity occurred during this period.

Task 7: Remedial Investigation Report

The RI Report has been completed and approved by the agencies.

Task 8: Baseline Risk Assessment

The Baseline RA has been completed and provided to the agencies.

Task 9: Develop Remedial Alternatives

MDNR and Warzyn continued discussions about potential remedial alternatives for this site. Warzyn is near completion of the draft Alternatives Array document, (Note: The AA document was completed on July 6 and provided to the agencies)

Task 10: FS Report

State contractor continued working on the Feasibility Study during this period. The scope of the FS continued to be an item of discussion between the MDNR, Warzyn, and the EPA. The scope of the FS was formalized based upon correspondence and discussions between MDNR, EPA, and Warzyn.

PERCENTAGE OF ACTIVITY SCHEDULED TO BE COMPLETED: 95%

PERCENTAGE OF ACTIVITY ACTUALLY COMPLETED: 80%

EXPLANATION OF SIGNIFICANT DIFFERENCE: As described in previous reports, the completion of the RI/FS for this site has been delayed for a variety of reasons. The schedule for completion is being revised and will be provided as soon as it is finalized. (Note: As per a Special Condition, MDNR provided the EPA RPM a revised project schedule on July 15. An amendment is being prepared for submittal to the EPA formalizing the revised schedule and rebudgeting tasks.)

FOR EACH OF THE ABOVE TASKS WHICH WAS ONGOING THIS PERIOD, IDENTIFY THE FOLLOWING: TASK NAME AND BUDGETED AMOUNT:

Task 6: Community Relations - \$15,000

Task 9: Develop Remedial Alternatives - \$90,000
Task 10: Feasibility Study Report - \$140,000

ESTIMATED EXPENDITURES THIS QUARTER: Note: Includes both state costs
and contractual costs (thru Invoice #92)

Task 6: \$ 60
Task 9: \$ 20,050
Task 10: \$ 26,000

ESTIMATED EXPENDITURES TO DATE:

Task 6: \$ 4,680
Task 9: \$ 63,150
Task 10: \$ 44,100

PLANNED EXPENDITURES TO DATE:

Task 6: \$ 15,000
Task 9: \$ 90,000
Task 10: \$110,000

EXPLANATION OF SIGNIFICANT DIFFERENCES: The schedule and task budgets
have been re-evaluated and will be revised with the amendment which will
be submitted early in Quarter 4. (This has been completed)

TOTAL FUNDING FOR THIS ACTIVITY: \$1,400,000

ESTIMATED EXPENDITURES THIS QUARTER: \$46,110 Note: This estimate is based upon
invoices submitted for approval during this period. Warzyn invoice #92 for period
ending May 28, 1994 was approved for \$35,603.93 and Warzyn invoice #93 for period
ending July 30, 1994 was for \$12,721.59 but MDNR estimated that only about \$8,000
of this was to cover cost during this reporting period. The remaining \$4,721
will be charged under Q4 expenditures. Of the \$46,110 expenditures for this
reporting period, only \$2,530 was for state costs. The remainder, as noted above,
was for contractual costs. It is hoped that this information will satisfy the
RPM about concerns that there were excessive expenditures by the state during
this period. The large bulk of the cost during this period were incurred by the
contractor in developing the Alternatives Array document.

ESTIMATED EXPENDITURES TO DATE FOR THIS ACTIVITY (RI/FS): \$1,077,170

TIME AND FUNDS REMAINING (BALANCE): 3 months; \$322,830

ESTIMATED TIME AND FUNDS NEEDED TO COMPLETE REQUIRED WORK: 22 months, \$362,000

EXPLANATION OF ANY SIGNIFICANT DISCREPANCY/JUSTIFICATION FOR INCREASE: In order
to complete this project through the Record of Decision and Post-ROD period, an
additional \$40,000 will be necessary. A request to extend the project period to
6/30/95 was submitted to the EPA in June.

CONTRACTOR REPORT ATTACHED

Prepared by Bradley W. Byrne Date 11-9-94
(Project Manager)
Approved by George Carpenter Date 11/10/94
(Supervisor)

**MICHIGAN SUPERFUND SITE COOPERATIVE AGREEMENT
QUARTERLY PROGRESS REPORT
STATE LEAD SITE**

Reporting Period: FY94, Q4

**Site name: North Bronson Industrial Area CA #: V005934-01
Activity: RI/FS Budget period ends: 6/30/95**

**WORK ACCOMPLISHED DURING REPORTING PERIOD FOR THIS SITE AND ACTIVITY:
(PROBLEMS AND DELAYS ENCOUNTERED THIS PERIOD, CORRECTIVE MEASURES TAKEN OR
PLANNED) IDENTIFY BY TASK NAME AND NUMBER:**

Task 5: Phase II Remedial Investigation

This task was completed in December 1991.

Task 6: Remedial Investigation Report

This task was completed in July 1993.

Task 7: Baseline Risk Assessment

This task was completed in July 1993.

Task 8: Alternatives Array

The draft Alternatives Array (AA) document was submitted to the MDNR and the EPA in July. The agencies reviewed and provided comments regarding the AA. In August, the MDNR faxed the bulk of the comments (including those of EPA) to Warzyn so as to not delay the Feasibility Study while a few remaining issues related to the AA were under discussion. The MDNR resolved these issues and formalized a review letter which was sent to the contractor in September. This submittal again included all the various comments which had been faxed previously. In order to expedite completion of the FS, the AA will not be revised and resubmitted, but the comments will be incorporated or addressed in some manner in the FS by Warzyn.

Task 9: Feasibility Study

State contractor continued working on the Feasibility Study during this period based upon comments provided by MDNR regarding the AA document.

Task 10: Proposed Plan

This task has not yet been initiated.

Task 11: Administrative Record

This task has not yet been initiated.

Task 12: Draft ROD

This task has not yet been initiated.

Task 13: Final ROD

This task has not yet been initiated.

Multi-Site Cooperative Agreement V005934 North Bronson Industrial Area

Task 14: Post ROD/Closeout

This task has not yet been initiated.

PERCENTAGE OF ACTIVITY SCHEDULED TO BE COMPLETED: 80%

PERCENTAGE OF ACTIVITY ACTUALLY COMPLETED: 80%

EXPLANATION OF SIGNIFICANT DIFFERENCE: N/A, With the submittal of a formal schedule revision and amendment, the site is now back on schedule.

FOR EACH OF THE ABOVE TASKS WHICH WAS ONGOING THIS PERIOD, IDENTIFY THE FOLLOWING: TASK NAME AND BUDGETED AMOUNT:

Task 8: Alternatives Array - \$120,000

Task 9: Feasibility Study - \$150,000

ESTIMATED EXPENDITURES THIS QUARTER: Note: Includes both state costs and contractual costs (thru Invoice #94)

Task 8: \$16,190

Task 9: \$ 2,000

ESTIMATED EXPENDITURES TO DATE: (Note: These are very rough. Difficult to estimate because contractor does not separate AA from FS related tasks. In addition, contractor tasks for project management activities are included)

Task 8: \$ 90,000

Task 9: \$ 30,000

TOTAL FUNDING FOR THIS ACTIVITY: \$1,440,000

ESTIMATED EXPENDITURES THIS QUARTER: \$18,190

ESTIMATED EXPENDITURES TO DATE FOR THIS ACTIVITY (RI/FS): \$1,100,054

TIME AND FUNDS REMAINING (BALANCE): 12 months; \$339,946 remaining.

ESTIMATED TIME AND FUNDS NEEDED TO COMPLETE REQUIRED WORK: 18 months, \$340,000

EXPLANATION OF ANY SIGNIFICANT DISCREPANCY/JUSTIFICATION FOR INCREASE: N/A

With EPA approval of the \$40,000 augmentation and schedule adjustment, this site is now on schedule and within the necessary budget.

CONTRACTOR REPORT ATTACHED

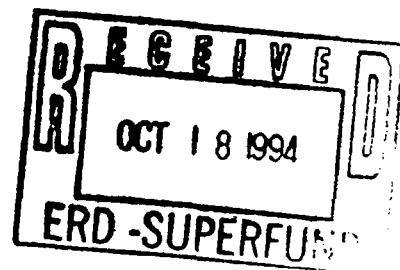
Prepared by Brady W. Boyer Date 11-9-94
(Project Manager)

Approved by George Carpenter Date 11/10/94
(Supervisor)



MONTGOMERY WATSON

October 13, 1994



Mr. Brady Boyce
Michigan Department of Natural Resources
P.O. Box 30028
Lansing, Michigan 48909

Re: N. Bronson Industrial Area RI/FS

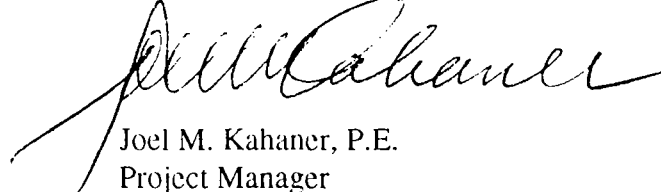
Dear Mr. Boyce:

Enclosed is the Monthly Status Report for July through September 1994.

As always, if you have any questions, please call me at (313) 344-0205.

Sincerely,

MONTGOMERY WATSON



Joel M. Kahaner, P.E.
Project Manager

Enclosures: As stated.

cc: Rosita Clarke, U.S. EPA, (w/ enclosures)
Bruce Rome, Montgomery Watson, (w/ enclosures)

JMK/ddm/cma/JMK
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MONTHLY STATUS REPORT
North Bronson Industrial Area RI/FS
April through June

PROJECT NO.: 70051

FISCAL PERIOD: July 2, 1994 through September 30, 1994

PREPARED BY: Joel M. Kahaner, P.E.
Montgomery Watson
Novi, Michigan

REPORT DATE: October 13, 1994

COPIES: Mr. Brady Boyce, MDNR
Ms. Rosita Clarke, U.S. EPA

Activities Performed During this Period

- The draft Alternative Array Document (AAD) was submitted for agency review on July 7, 1994.
- MDNR & U.S. EPA Comments to the draft AAD were received September 28, 1994.

Problem Areas Impacting Schedule

- MDNR & U.S. EPA comments are under review for potential impacts to schedule resulting from inclusions of previously excluded media and areas of interest.

Documents Submitted

- Draft Alternatives Array was submitted July 7, 1994.

Upcoming Activities Planned For Next Month

- Respond to AAD comments
- Continue efforts on alternatives analysis.

Asked
Bill Harmon

Key Personnel

Key personnel who have been active on this project include:

Joel M. Kahaner - Project Manager
Scott C. Shoher - Environmental Engineer
Mark A. Clark - Environmental Engineer
Support Personnel

Travel

- No travel occurred during this period.

Financial Status

Expenditures for fiscal period July through September 1994 totaled approximately \$13,000. A budget summary is provided below.

	<u>Estimated Actual To Date</u>	<u>Budget Estimate</u>	<u>Status</u>
(1) Phase I Field Effort	\$286,416	\$ 286,416	Complete
(2) Phase I Tech Memo	25,957	25,957	Complete
(3) Phase II Field Effort	222,701	420,291	Complete
(4) RI Report	149,930	144,373	Complete
(5) RI PM & QA	109,655	123,586	Complete
(6) Baseline Risk Assessment	60,026	53,001	Complete
(7) Feasibility Study	52,000	134,361	In process
(8) FS Project Management	16,000	38,015	In process
(9) Total Project	\$922,685	\$1,226,000	
(10) Funding Remaining		\$ 303,315	

Notes:

- (1) Phase I totals include : Tasks 2.1, 3.1, 3.2, 4.1-4.9. Budget and actual expenses were balanced out to prepare the Phase II field work.
- (2) Phase I Technical Memorandum was prepared as agreed, as a draft document.
- (3) Phase II Field Effort includes Tasks 5.1-5.9
- (4) RI Report includes Tasks 5.10, 6.0, 7.0
- (5) RI PM & QA is for entire project, including Phase I and II
- (6) Baseline Risk Assessment is Task 9.0
- (7) FS includes Tasks 10.0 - 12.0
- (8) FS Project Management is Task 13.0
- (9) Project funding is \$1,226,000.

JMK/ddm/cmn/JMK
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N. BRONSON INDUSTRIAL AREA RI/FS

ID	Name	Planned Duration	Planned Start	Planned Finish	Act. Start	Act. Finish	94												
							Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May		
1	Submit Draft Alternatives Array Doc.	1d	7/8/94	7/8/94	7/8/94	7/8/94	◆												
2	Agency Review of Draft AA	30d	7/8/94	8/18/94	7/11/94	9/28/94													
3	Review Agency Comments	30d	8/19/94	8/25/94	9/29/94	NA													
4	Resolve Questions to Comments	1d	8/26/94	8/26/94	NA	NA													
5	Start Initial Screening	30d	7/18/94	8/26/94	NA	NA													
6	Continue Intial Screening	20d	8/29/94	9/26/94	NA	NA													
7	Detailed analysis of Alternatives	30d	9/13/94	10/24/94	NA	NA													
8	Comparison of Alternatives	20d	10/11/94	11/7/94	NA	NA													
9	Prepare Draft FS	30d	10/25/94	12/7/94	NA	NA													
10	Submit Draft FS	1d	12/8/94	12/8/94	NA	NA													
11	Agency Review of Draft FS	30d	12/9/94	1/23/95	NA	NA													
12	Review Agency Comments	5d	1/24/95	1/30/95	NA	NA													
13	Resolve Questions to Agency Comments	1d	1/31/95	1/31/95	NA	NA													
14	Revise FS	10d	2/1/95	2/14/95	NA	NA													
15	Submit Final FS	1d	2/15/95	2/15/95	NA	NA													
16	Agency Review & Approval	30d	2/16/95	3/29/95	NA	NA													
17	Prepare Final Copies for Distribution	0d	NA	NA	NA	NA													

Project: N. Bronson RI/FS
Date: 10/13/94

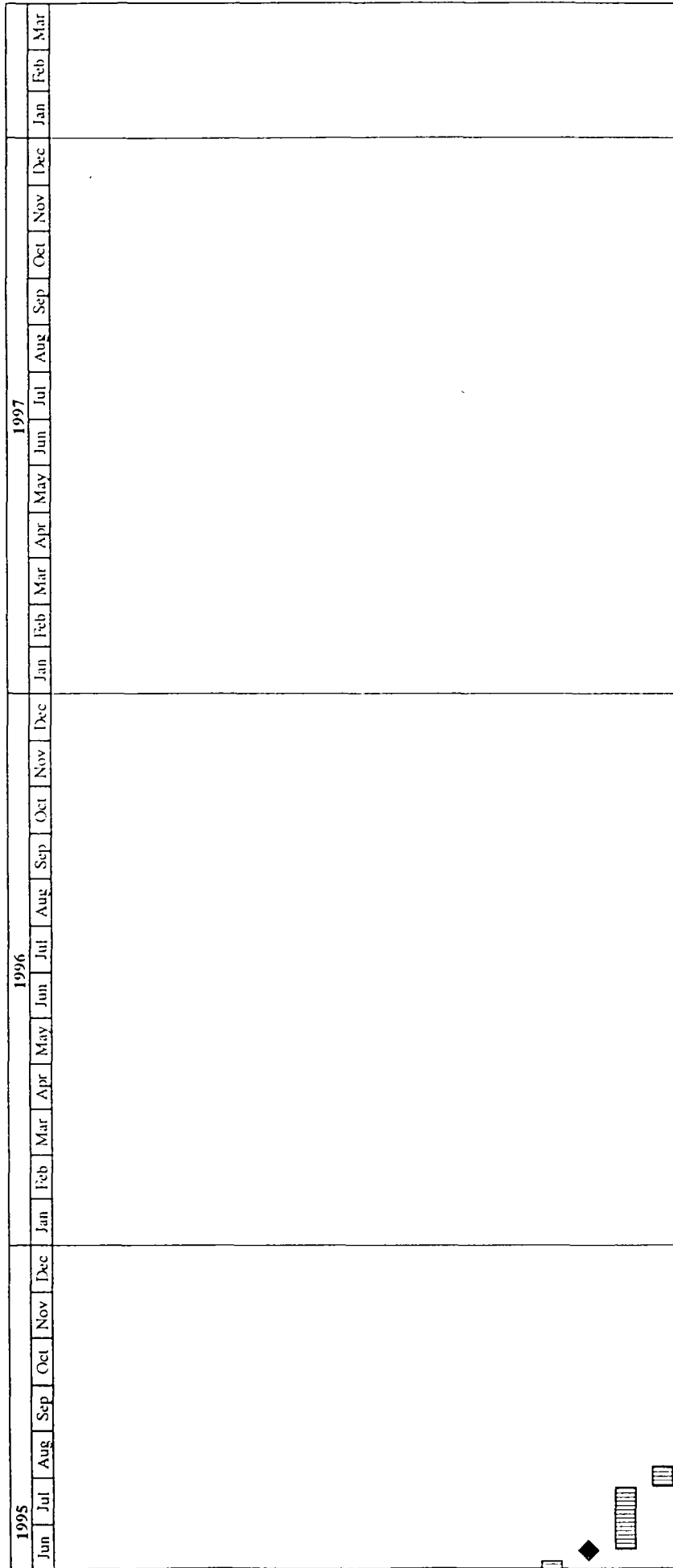
Critical 
Noncritical 

Progress 
Milestone 

Summary 
Rolled Up 

10/13/94

N. BRONSON INDUSTRIAL AREA RI/FS



Project: N. Bronson RI/FS

Date: 10/13/94

Critical

Noncritical

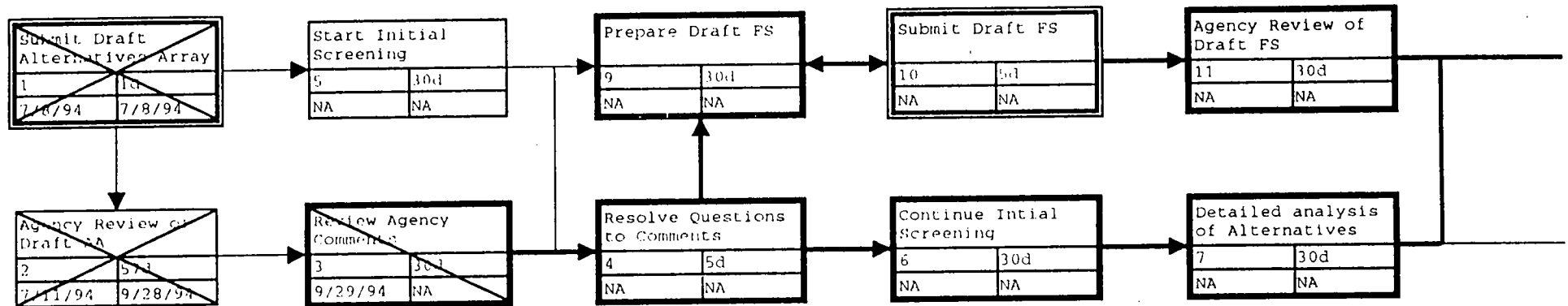
Progress

Milestone

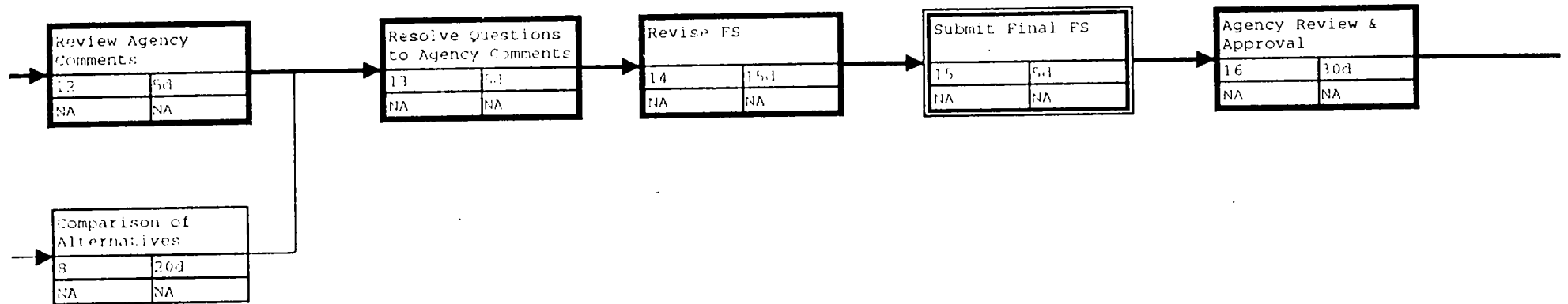
Summary

Rolled Up


N. BRONSON INDUSTRIAL AREA R/F/S



N. BRONSON INDUSTRIAL AREA R/F/S



N. BRONSON INDUSTRIAL AREA R/F/S



Prepare Final Copies for	
17	10.1
HA	KA

N. BRONSON INDUSTRIAL AREA RIFES

Project: N. Bronson RI/FS
 Date: 10/13/94

Name	
ID	Duration
Actual Start	Actual Finish

Critical
 Noncritical

Milestone
 Summary

Subproject
 Marked

BRONSON, M.D., 10/14/94